

PIEZO PUMPS

3 ml/min, 7 ml/min, 20 ml/min, 30 ml/min
COC & EPDM

SDMP Series

Their small and thin design, as well as their low weight, are just a few advantages of piezo pumps. Because of their quiet operation and very low power consumption, new possibilities in fluidics are revealed. By changing the voltage (stroke) and frequency, a large flow range can be covered - from a few μl up to mL.



SDMP302



SDMP306



SDMP320

SPECIFICATIONS

	SDMP302/302D	SDMP306/306D	SDMP320	SDMP330W (under development)
Flow rate	max. 3 ml/min	max. 7 ml/min	max. 20 ml/min	max. 30 ml/min
Operating pressure	400 mbar	450 mbar	350 mbar	350 mbar
Suction load pressure	-10 mbar (Self-priming)			
Port connection (hose barbs)	OD 1.2 - ID 0.6 L 2.5 mm	OD 2.2 - ID 1.2 L 3.2 mm	OD 2.8 - ID 1.6 L 5.0 mm	OD 2.8 - ID 1.6 L 5.0 mm
Rated voltage	60 - 250 Vp-p 10 - 60 Hz 5 VDC (302D 306D)		60 - 250 Vp-p 10 - 60 Hz	
Wetted materials	COC and EPDM			
Fluid temperature range	5 - 50°C			
Ambient temperature range	5 - 50°C			
Weight	approx. 4 g (302) approx. 7 g (302D)	approx. 4 g (306) approx. 7 g (306D)	approx. 9 g	approx. 12 g
Power consumption	20 mW (at 40Hz) 29 mW (at 60Hz)	22 mW (at 40Hz) 32 mW (at 60Hz)	32 mW (at 40Hz) 48 mW (at 60Hz)	64 mW (at 40Hz) 96 mW (at 60Hz)
Outer dimensions	25.0 x 25.0 x 4.8 mm (302 306) 25.0 x 25.0 x 8.9 mm (302D 306D)		33.0 x 33.0 x 3.5 mm	33.0 x 33.0 x 5.5 mm

Customisable to specific requirements (e.g. higher pressure range, different operating mode, higher temperature range, different port connections,...)